Customer No.: 31561
Application No.: 10,709,413
Docket No.: 12322-US-PA

IN THE CLAIMS

Please amend the claims according to the following listing of claims and substitute it for all prior versions and listings of claims in the application.

1. (currently amended) A method of fabricating cell detection chip, comprising:

~~designing~~ selecting a plurality of probe molecules, wherein an affinity exists between each of the probe molecules and one of corresponding specific molecules on a cell membrane;

~~synthesizing a~~ modifying the plurality of the probe molecules to facilitate an immobilization of the probe molecules onto a matrix; and

spotting the probe molecules respectively onto respective positions of ~~a~~ the matrix.

2. (original) The method as in claim 1, wherein the specific molecules comprises at least one from a group consisting of antibodies and antigens.

3. (currently amended) The method as in claim 1, wherein the step of ~~designing~~ selecting the probe molecules further comprises ~~designing~~ providing a plurality of quality control probes.

4. (currently amended) The method as in claim 1, wherein the step of ~~designing~~ selecting the probe molecules further comprises providing a plurality of location indication probes.

5. (currently amended) The method as in claim 1, after the step of ~~synthesizing~~ modifying the probe molecules, further comprising the step of dissolving the probe molecules in a solvent to form a solution of the probe molecules.

6. (original) The method as in claim 1, after the step of spotting the probe molecules, further comprising the step of incubating the matrix to keep the matrix under a wet environment.

7. (original) The method as in claim 6, after the step of incubation, further comprising the steps of:

drying the matrix; and

cleaning the matrix.

8. (original) The method as in claim 7, after the step of cleaning the matrix, further comprising the steps of:

blocking portions of a surface of the matrix not spotted with the probes, wherein a blocking solution is used; and

further cleaning the matrix.

9. (original) The method as in claim 1, wherein a radius of the spotted probe is between 50 and 500 μm.

Claims 10-20 (cancelled)